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(FILE 'HOME' ENTERED AT 11:19:35 ON 14 JUL 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:19:46 ON
14 JUL 2003

SEA HELIOPSIS AND ORAL

1 FILE AGRICOLA
2 FILE BIOSIS
2 FILE CABA
1 FILE CANCERLIT
1 FILE CAPLUS
1 FILE EMBASE
1 FILE IFIPAT
1 FILE LIFESCI
1 FILE MEDLINE
1 FILE PASCAL
1 FILE SCISEARCH
3 FILE TOXCENTER
1 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

L1 QUE HELIOPSIS AND ORAL

FILE 'AGRICOLA, BIOSIS, CABA, CANCERLIT, CAPLUS, EMBASE, IFIPAT, LIFESCI,
MEDLINE, PASCAL, SCISEARCH, TOXCENTER, USPATFULL' ENTERED AT 11:21:14 ON
14 JUL 2003

L2 17 S L1

L3 5 DUP REM L2 (12 DUPLICATES REMOVED)

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AN 1990:94954 BIOSIS
DN BA89:54305
TI PRELIMINARY STUDIES ON THE ANTIBACTERIAL INSECTICIDAL AND TOXICOLOGICAL
EFFECTS OF THE CHILCUAN ROOT **HELIOPSIS**-LONGIPES.
AU ROMERO-R C M; DEL CASTILLO-R A R; MARTINEZ-M A C; CALDERON-F C J
CS DEP. BIOL. REPROD., UNIV. AUTONOMA METROPOLITANA IZTAPALAPA, 09340 MEXICO,
D.F. APARTADO POSTAL 55-535.
SO VETERINARIA (MEX CITY), (1989) 20 (2), 151-156.
CODEN: VTERBU. ISSN: 0301-5092.
FS BA; OLD
LA Spanish

=> d l3 2 ab

L3 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
AB Chilcuan (**Heliopsis** longipes) is a Mexican plant, the root of which has been used traditionally as an oral cavity anaesthetic in humans, and as an insecticide in cattle myiasis. In this work, the antibacterial, insecticidal and toxicological effects of an alcoholic extract of Chilcuan root (EAT) were investigated. Four experiments were performed: 1) Antibacterial effects of EAT were tested on agar cultures of *Escherichia coli* and *Staphylococcus aureus* to which 0.0, 0.1, 0.01, or 1.0 mg doses of EAT were added. 2) Insecticidal effects were examined against *Oestrus ovis* larvae (larval stages II and III) cultivated in vitro, by adding enough EAT to the culture medium in order to get a final concentration of 0.0, 0.01, 1.0 or 10.0 mg/ml. 3) Insecticidal properties were also tested against *Gasterophilus* spp larvae, by mixing 400 mg EAT with the culture medium containing a section of equine stomach to which these sort of larvae were attached. 4) Toxic effects of EAT were evaluated by determining its intraperitoneal 50% lethal dose (i.p. LD50) in rats. Results of experiments 1 showed that EAT exerts antibacterial effects on both *E. coli* and *S. aureus*. However, the antibacterial action of EAT against *S. aureus* was greater at lower doses (0.01 mg), while the growth-inhibition area was larger in *E. coli* cultures at higher doses (1.0 mg). Results of experiment 2 indicate that *O. ovis* larval stage II survived longer in the culture medium, displaying higher susceptibility to antilarval effects of EAT (1.0 mg/ml); stage III larvae survived poorly in the culture medium, making it difficult to assess the antilarval effects of EAT. In experiment 3, detachment of *Gasterophilus* larvae was observed. Lastly, i.p. LD50 of EAT was found to be 566.0 mg/kg b.w. in rats. Further investigation is needed to isolate the active ingredients present in Chilcuan root.

=>

d 16 1

L6 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1990:94954 BIOSIS
DN BA89:54305
TI PRELIMINARY STUDIES ON THE ANTIBACTERIAL INSECTICIDAL AND TOXICOLOGICAL
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LONGIPES.
AU ROMERO-R C M; DEL CASTILLO-R A R; MARTINEZ-M A C; CALDERON-F C J
CS DEP. BIOL. REPROD., UNIV. AUTONOMA METROPOLITANA IZTAPALAPA, 09340 MEXICO,
D.F. APARTADO POSTAL 55-535.
SO VETERINARIA (MEX CITY), (1989) 20 (2), 151-156.
.CODEN: VTERBU. ISSN: 0301-5092.
FS BA; OLD
LA Spanish

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L6 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
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root of which has been used traditionally as an oral
cavity anaesthetic in humans, and as an insecticide in cattle myiasis. In
this work, the antibacterial, insecticidal and toxicological effects of an
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was found to be 566.0 mg/kg b.w. in rats. Further investigation is needed
to isolate the active ingredients present in Chilcuan **root**.

=> d 16 2

L6 ANSWER 2 OF 3 CABA COPYRIGHT 2002 CABI
AN 82:12205 CABA
DN 820305959
TI Ethnopharmacologic studies. I. Rapid solution to a problem - oral
use of **Heliopsis longipes** - by means of a
multidisciplinary approach
AU Ogura, M.; Cordell, G. A.; Quinn, M. L.; Leon, C.; Benoit, P. S.;
Soejarto, D. D.; Farnsworth, N. R.
CS College of Pharmacy, Illinois University Medical Center, Chicago, Illinois
60612, USA.
SO Journal of Ethnopharmacology, (1982) Vol. 5, No. 2, pp. 215-219. 20 ref.
ISSN: 0378-8741
DT Journal

LA English

=> d 16 2 ab

L6 ANSWER 2 OF 3 CABA COPYRIGHT 2002 CABI

AB **Roots** of **Heliopsis longipes** are used locally in Mexico to alleviate toothache. Stem **extracts** yielded a highly active analgesic principle which appeared to be identical with the isobutylamide affinin, isolated from **roots** by other workers.

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d 13 1-5

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
AN 2002:673742 CAPLUS
TI Herbal composition for improving **oral** hygiene, for providing
local anesthesia, for use as an **oral** sensate, flavor enhancer
and potentiator, and methods of using same
IN Wolfson, Philip
PA USA
SO U.S. Pat. Appl. Publ.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 2002122778 | A1 | 20020905 | US 2001-14909 | 20011214 |
| | WO 2003052114 | A1 | 20030626 | WO 2002-US17810 | 20020606 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| PRAI | US 2000-255410P | P | 20001215 | | |
| | US 2001-14909 | A | 20011214 | | |

L3 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
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TI PRELIMINARY STUDIES ON THE ANTIBACTERIAL INSECTICIDAL AND TOXICOLOGICAL
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D.F. APARTADO POSTAL 55-535.
SO VETERINARIA (MEX CITY), (1989) 20 (2), 151-156.
CODEN: VTERBU. ISSN: 0301-5092.
FS BA; OLD
LA Spanish

L3 ANSWER 3 OF 5 AGRICOLA Compiled and distributed by the National
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(2003) DUPLICATE 3
AN 82:89608 AGRICOLA
DN IND82066754
TI Ethnopharmacologic studies. I. Rapid solution to a problem--**oral**
use of **Heliopsis** longipes--by means of a multidisciplinary
approach Mexico.
AU Ogura, M.; Cordell, G.A.; Quinn, M.L.; Leon, C.; Benoit, P.S.; Soejarto,
D.D.; Farnsworth, N.R.
AV DNAL (RS160.J6)
SO Journal of ethnopharmacology., Mar 1982 Vol. 5, No. 2. p. 215-219
Publisher: Lausanne, Elsevier Sequoia.
ISSN: 0378-8741
NTE Includes 20 ref.
DT Article
FS Non-U.S. Imprint other than FAO
LA English

ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2

AN 1990:94954 BIOSIS
DN BA89:54305
TI PRELIMINARY STUDIES ON THE ANTIBACTERIAL INSECTICIDAL AND TOXICOLOGICAL
EFFECTS OF THE CHILCUAN ROOT **HELIOPSIS**-LONGIPES.
AU ROMERO-R C M; DEL CASTILLO-R A R; MARTINEZ-M A C; CALDERON-F C J
CS DEP. BIOL. REPROD., UNIV. AUTONOMA METROPOLITANA IZTAPALAPA, 09340 MEXICO,
D.F. APARTADO POSTAL 55-535.
SO VETERINARIA (MEX CITY), (1989) 20 (2), 151-156.
CODEN: VTERBU. ISSN: 0301-5092.
FS BA; OLD
LA Spanish

=> d l3 2 ab

L3 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2

AB Chilcuan (**Heliopsis** longipes) is a Mexican plant, the root of which has been used traditionally as an oral cavity anaesthetic in humans, and as an insecticide in cattle myiasis. In this work, the antibacterial, insecticidal and toxicological effects of an alcoholic extract of Chilcuan root (EAT) were investigated. Four experiments were performed: 1) Antibacterial effects of EAT were tested on agar cultures of *Escherichia coli* and *Staphylococcus aureus* to which 0.0, 0.1, 0.01, or 1.0 mg doses of EAT were added. 2) Insecticidal effects were examined against *Oestrus ovis* larvae (larval stages II and III) cultivated in vitro, by adding enough EAT to the culture medium in order to get a final concentration of 0.0, 0.01, 1.0 or 10.0 mg/ml. 3) Insecticidal properties were also tested against *Gasterophilus* spp larvae, by mixing 400 mg EAT with the culture medium containing a section of equine stomach to which these sort of larvae were attached. 4) Toxic effects of EAT were evaluated by determining its intraperitoneal 50% lethal dose (i.p. LD50) in rats. Results of experiments 1 showed that EAT exerts antibacterial effects on both *E. coli* and *S. aureus*. However, the antibacterial action of EAT against *S. aureus* was greater at lower doses (0.01 mg), while the growth-inhibition area was larger in *E. coli* cultures at higher doses (1.0 mg). Results of experiment 2 indicate that *O. ovis* larval stage II survived longer in the culture medium, displaying higher susceptibility to antilarval effects of EAT (1.0 mg/ml); stage III larvae survived poorly in the culture medium, making it difficult to assess the antilarval effects of EAT. In experiment 3, detachment of *Gasterophilus* larvae was observed. Lastly, i.p. LD50 of EAT was found to be 566.0 mg/kg b.w. in rats. Further investigation is needed to isolate the active ingredients present in Chilcuan root.

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L3 ANSWER 4 OF 5 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED.
 AN 1982-0190881 PASCAL
 TIEN Ethnopharmacologic studies. I: Rapid solution to a problem-oral
 use of **Heliopsis** longipes-by means of a multidisciplinary
 approach
 AU OGURA M.; CORDELL G. A.; QUINN M. L.; LEON C.; BENOIT P. S.; SOEJARTO D.
 D.; FARNSWORTH N. R.
 CS Univ. Illinois med. cent., Chicago IL 60612, United States
 SO J. ethnopharmacol., (1982), 52, 215-219, 20 refs.
 ISSN: 0378-8741
 DT Journal
 BL Analytic
 CY Switzerland
 LA English
 AV CNRS-18028

L3 ANSWER 5 OF 5 SCISEARCH COPYRIGHT 2003 THOMSON ISI
 AN 82:63850 SCISEARCH
 GA The Genuine Article (R) Number: MZ992
 TI ETHNOPHARMACOLOGIC STUDIES .1. RAPID SOLUTION TO A PROBLEM - **ORAL**
 USE OF **HELIOPSIS**-LONGIPES - BY MEANS OF A MULTIDISCIPLINARY
 APPROACH
 AU OGURA M (Reprint); CORDELL G A; QUINN M L; LEON C; BENOIT P S; SOEJARTO D
 D; FARNSWORTH N R
 CS UNIV ILLINOIS, MED CTR, COLL PHARM, DEPT PHARMACOGNOSY & PHARMACOL,
 CHICAGO, IL, 60612 (Reprint)
 CYA USA
 SO JOURNAL OF ETHNOPHARMACOLOGY, (1982) Vol. 5, No. 2, pp. 215-219.
 DT Note; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 20

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